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NOTICE OF ALLOWANCE AND FEE(S) DUE

20987

7590

01/25/2011

VOLENTINE & WHITT PLLC ONE FREEDOM SQUARE 11951 FREEDOM DRIVE SUITE 1260 RESTON, VA 20190

EXAMINER					
STINSON, FRANKIE L					
ART UNIT	PAPER NUMBER				
1711					

DATE MAILED: 01/25/2011

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/695,770 10/30/2003 Ki-Hwan Park SEC.1101 6935

TITLE OF INVENTION: METHOD OF AND APPARATUS FOR CLEANING SEMICONDUCTOR WAFERS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/25/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

ppropriate. All further ndicated unless correcte naintenance fee notifica		ng the Patent, advance on nerwise in Block 1, by (a	rders and notification a) specifying a new c	of m orresp	aintenance fees woondence address;	ill be and/or	mailed to the current (b) indicating a separ	correspondence address as rate "FEE ADDRESS" for
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RESTON, VA 2	0190							(Depositor's name)
								(Signature)
								(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO:	RNEY DOCKET NO.	CONFIRMATION NO.
10/695,770	10/30/2003		Ki-Hwan Park				SEC.1101	6935
ITLE OF INVENTION	: METHOD OF AND A	PPARATUS FOR CLEA	NING SEMICONDU					
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nonprovisional	NO	\$1510	\$300		\$0		\$1810	04/25/2011
EXAM	IINER	ART UNIT	CLASS-SUBCLASS	3				
STINSON, F	FRANKIE L	1711	134-186000					
. Change of correspondence address or indication of "Fee Address" (37 FR 1.363). Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			(1) the names of u or agents OR, alter (2) the name of a registered attorney	a single firm (having as a member a ey or agent) and the names of up to nt attorneys or agents. If no name is				
PLEASE NOTE: Unl recordation as set fort (A) NAME OF ASSIG	less an assignee is ident h in 37 CFR 3.11. Comp GNEE		data will appear on t T a substitute for filing (B) RESIDENCE: (G	he pa g an a	tent. If an assigne ssignment. and STATE OR C	OUNT	RY)	ocument has been filed for up entity
a. The following fee(s): Issue Fee Publication Fee (N Advance Order - 1	are submitted: To small entity discount p # of Copies	permitted)	A check is enclosed Payment by credit The Director is he	ed. it card ereby	. Form PTO-2038	is atta	required fee(s), any def	
	tus (from status indicated is SMALL ENTITY statu	,	☐ b. Applicant is no	o long	er claiming SMAL	L ENT	ΓΙΤΥ status. See 37 CF	FR 1.27(g)(2).
OTE: The Issue Fee and terest as shown by the i	d Publication Fee (if requeecords of the United Sta	uired) will not be accepted tes Patent and Trademark	d from anyone other the Office.	nan th	e applicant; a regis	stered a	attorney or agent; or the	e assignee or other party in
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n application. Confiden ubmitting the completed his form and/or suggesti	tiality is governed by 35 dapplication form to the ions for reducing this but irginia 22313-1450. DC	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to th	1.14. This collection is depending upon the is Chief Information C	is esti indivi Office:	mated to take 12 n dual case. Any con . U.S. Patent and	ninutes mment Traden	to complete, including s on the amount of tin park Office, U.S. Depa	by the USPTO to process) g gathering, preparing, and ne you require to complete rtment of Commerce, P.O. for Patents, P.O. Box 1450,

PTOL-85 (Rev. 08/07) Approved for use through 08/31/2010.

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10/695,770	10/30/2003	Ki-Hwan Park	SEC.1101	6935		
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VOLENTINE & WHITT PLLC			STINSON, FRANKIE L			
ONE FREEDOM SQUARE 11951 FREEDOM DRIVE SUITE 1260 RESTON, VA 20190		ART UNIT	PAPER NUMBER			
		1711				
			DATE MAILED: 01/25/201			

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 0 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 0 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)			
	10/695,770	PARK ET AL.			
Notice of Allowability	Examiner	Art Unit			
	FRANKIE L. STINSON	1711			
	FRANKIE L. STINSON	1711			
The MAILING DATE of this communication apperature All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communicatio GHTS. This application is subject:	oplication. If not included n will be mailed in due course. THIS			
1. \boxtimes This communication is responsive to $\underline{\mathit{AMD'T}}$ FILED NOVEL	<u>MBER 29, 1010</u> .				
2. The allowed claim(s) is/are 1,3,4 and 11-17.					
 3. ☐ Acknowledgment is made of a claim for foreign priority unallocation. a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 					
2. Certified copies of the priority documents have					
3. ☐ Copies of the certified copies of the priority do	• • • • • • • • • • • • • • • • • • • •				
International Bureau (PCT Rule 17.2(a)).		3 11			
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements			
4. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give					
5. CORRECTED DRAWINGS (as "replacement sheets") mus	et be submitted.				
(a) including changes required by the Notice of Draftspers	on's Patent Drawing Review (PTO	-948) attached			
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date					
(b) ☐ including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the	Office action of			
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the					
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.					
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. ☐ Notice of Informal I	Patent Application			
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	• •			
3. ☐ Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Da 7. 🛛 Examiner's Amend	ate			
Paper No./Mail Date					
4. Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ☐ Examiner's Statem9. ☐ Other	ent of Reasons for Allowance			

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1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

- 2. This application is in condition for allowance except for the presence of claims 5-9 directed to an invention non-elected without traverse. Accordingly, claims 5-9 have been cancelled.
- 3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to FRANKIE L. STINSON whose telephone number is (571) 272-1308. The examiner can normally be reached on M-F from 5:30 am to 2:00 pm and some Saturdays from approximately 5:30 am to 11:30 am.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Barr, can be reached on (571) 272-1700. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

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For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/FRANKIE L. STINSON/ Primary Examiner, Art Unit 1711